

LAW OFFICES
SCHWARTZ, WOODS & MILLER
SUITE 610, THE LION BUILDING
1233 20TH STREET, N.W.
WASHINGTON, D.C. 20036-7322

LAWRENCE M. MILLER
STEVEN C. SCHAFER
MALCOLM G. STEVENSON

TELEPHONE 202-833-1700
FACSIMILE 202-833-2351
WRITER'S INTERNET: schaffer@swmlaw.com
WRITER'S EXTENSION: 204

OF COUNSEL
ROBERT A. WOODS
TAX COUNSEL
MARK B. WEINBERG
LOUIS SCHWARTZ
(1918 - 2004)

July 24, 2006

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
The Portals Building, Room TW-B204
445-12th Street, S.W.
Washington, D.C. 20554

Re: Stations WEDH-DT and WEDN-DT
FCC Files No. BPEDT-19990113KG and BMPEDT-20031008AAT
MB Docket No. 04-184 (Norwich, Connecticut)
MB Docket No. 03-15 ¹

Dear Ms. Dortch:

Connecticut Public Broadcasting, Inc. ("CPBI"), by counsel, files this response to the "Ex Parte Submissions" of American Broadcasting Companies, Inc. (ABC) and "Entravision Holdings, LLC (Entravision)" filed June 12, 2006 and July 5, 2006, respectively.

Without justification or leave, ABC has fired yet another volley in its never-ending fight against the proposal made by Connecticut Public Broadcasting in 2003 for the repurposing of DTV channels licensed to CPBI in Hartford and Norwich, Connecticut. Without justification or leave, Entravision has filed its own "support" for ABC's position.

The clear case for grant of the above-referenced applications, and for completion of the rulemaking, was placed before Commission staff during an ex parte meeting of May 23, 2006, and an appropriate ex parte notice was filed after the meeting by undersigned counsel.²

¹ FCC staff asked that a copy of the previous filing made by CPBI regarding the subject matter of the present filing be filed in Docket 03-15, and so this filing in rebuttal to filings of ABC and Entravision (as argued below unauthorized with respect to Docket 04-184) has also been lodged in this proceeding.

² CPBI's filing was made with the advance approval of FCC staff, and so notwithstanding the "restricted" ex parte status of the Norwich rulemaking proceeding, the filing conformed to the ex parte rules, 47 C.F.R. Section 1.1204 (a)(10). In response to an email request from FCC staff, the ex parte notice was also filed electronically in MM Docket 03-15 (letter of undersigned counsel dated May 25, 2006). Neither ABC nor Entravision recites seeking or receiving staff approval for their filings, which therefore violate ex parte rules.

CPBI Followed the Rules in its DTV Channel Exchange Proposal

CPBI filed its applications in 2003 for modification of Stations WEDH, Hartford, and WEDN, Norwich under the rules for DTV channel exchanges (DCE) adopted by the FCC in 1997, as clarified in 1998.³ The 1998 clarification provided for the exchanges of allotment on an intra-community, intra-market or intra-market basis “provided that the exchanges do not result in additional interference beyond our de minimus standard to other stations...”. *Allocation Reconsideration* at 7477. The Commission intended these procedures to afford broadcasters “as much flexibility as possible.” While the situation anticipated in most cases involved two or more licensees, nothing in the rules prohibited a single licensee from conducting an exchange of channels among its own stations. These rules have not been changed, and technical staff at the May 23, 2006 meeting confirmed these rules were the relevant rules to the processing and grant of pending applications.

In the application for use of Channel 45 by WEDH-DT, Hartford, CPBI demonstrated that no interference was caused beyond the de minimus amount permitted by the rules.⁴ That standard was clearly stated as “no more than an additional 2 percent of the population served by another station being subject to interference,” 47 C.F.R. Section 73.622(c)(3). The station population values for DTV services contained in Appendix B of the Allocation Reconsideration Order were used for the analysis of the DTV channel exchange, and this analysis showed the interference created was permissible under the de minimis standard. The “DTVPLN” record for Station WABC-DT was analyzed and it was determined that the interference was only 1.238% of the baseline population. The “DTVPLN” used for Station WUVN (then call sign WHCT) was analyzed and it was determined that the interference was only 0.561 % of the baseline population (See Exhibit One, attached, an excerpt from the application).

CPBI representatives at the May 23, 2006 meeting understood FCC technical staff to express agreement with the exchange applications’ compliance with all FCC technical rules. Notwithstanding, following a discussion of the technical basis for the objections of ABC and Entravision, Media Bureau management expressed a hope that ABC, Entravision and CPBI could present a settlement proposal for approval. CPBI’s representatives understood that engineers for ABC in attendance at the meeting would establish contact for the purpose of exchanging information regarding the reasons why

³ *In re Advanced Television Systems and Their Impact upon the Existing Broadcast Services*, Sixth Report and Order, MM Docket No. 87-268, 12 FCC Rcd 14588 (1997) as modified by Memorandum Opinion and Order on Reconsideration of the Sixth Report and Order, MM Docket No. 87-268, 13 FCC Rcd 7418, 7477-78, ¶ 146 (1998)(*Allocation Reconsideration*).

⁴ “Technical Statement” of du Treil, Lundin & Rackley, Inc., June 9, 2003, Figure 4. Following a change in the transmission plant, CPBI submitted an amendment which similarly showed only de minimus interference to WABC-DT and WUVN-DT “Technical Statement” of du Treil, Lundin & Rackley, Inc., March 9, 2004, Figure 4. Interference to WUVN-DT remained the same and interference to WABC-DT increased slightly to 1.023 percent.

the technical showings presented so far to the FCC regarding Channel 45 in Hartford were invalid. Instead, ABC filed its unauthorized letter of June 12, 2006, containing restatements and rehashing of the same discredited technical arguments it had previously offered.

The 0.1 Interference Standard Applicable to NCAs Do Not Apply to CPBI's DCE Applications

ABC argues that the proper standard to apply to these applications is the 0.1 NCA standard which applies to "Negotiated Channel Agreements (NCAs)," as permitted first by the FCC in 2005 pursuant to the Second Periodic DTV Review. ABC might be right had the FCC denied or dismissed CPBI's DTV channel exchange applications prior to the filing of DTV channel elections. But the FCC has left these applications pending, notwithstanding CPBI's efforts to secure grant.⁵ ABC and Entravision filed their channel elections knowing that the CPBI applications were pending, and that those elections would be subject to FCC final action on those applications. The FCC staff has seemingly acknowledged this special circumstance in that it is considering ABC's extraordinary waiver request in connection with its contingent election of Channel 7 as its eventual DTV home – apparently the only licensee in the country which is being permitted to argue contingently for two channels.

The ability for licensees to elect Tentative Digital Assignments pursuant to NCAs was adopted as an alternative to the channel election process and incorporated into the FCC's multi-step channel election plan, with the end goal of establishing a post-transition DTV Table of Allotments.⁶ The NCA policies have permitted the sale of channel rights by those incumbent "in-core" NTSC licensees which had been awarded "in-core" DTV channels. Needless to say, because NCA procedures were adopted after CPBI filed its applications pursuant to the DCE procedures, NCA policies cannot and should not be applied. CPBI deserves processing under the DCE rules - as they applied in 2004 and as they remain unchanged to date.

Grant of the Channel Exchange Applications Was Assumed In the Submission of the Petition for Rulemaking for the Ultimate Assignment of Channel 9 in Norwich

ABC also addresses the Norwich rulemaking proceeding and states that "WEDN would no longer have any rights to channel 45" if it is granted. ABC has the wrong order of events. A simple review of the Petition for Rulemaking submitted by CPBI on January 9, 2004 shows that CPBI indicated its pending applications to exchange the DTV channels of WEDH and WEDN. CPBI reiterated the pendency of the channel exchange applications in its supporting comments of July 6, 2004 (footnote, page 2).

⁵ See "Response to 'Supplement to Objection' and 'Supplement to Informal Objection' filed October 17, 2005 by CPBI, and efforts recited at footnotes 11 and 12.

⁶ See Second Periodic Review of the Commission's Rules and Policies Affecting the Conversion to Digital Television, 19 FCC Rcd 18,279, at para. 45 (2004) ("*Second Periodic Review Order*").

Obviously, the Norwich proposal to utilize Channel *9 depends on the compliance with FCC interference rules for DTV. The proposal was found acceptable by the Video Division in the Notice of Proposed Rulemaking in the docket (DA04-1318, para. 3), and whether it is *9 substituted for *45 or *9 substituted for *32 does not matter – the outcome is a superior use of spectrum by CPTV by deploying Channel *45 at Hartford for Station WEDH and Channel *9 at Norwich for Station WEDN.

ABC Has Presented, and Entravision Has Relied Upon, Incorrect Engineering in its Three Presentations Regarding Station WUVN

ABC has argued that the use of DTV *45 by Station WEDH, Hartford would cause prohibited interference to Station WUVN(TV), licensed to Entravision. The amount of interference has changed from 2.8% ("Objection to Digital Television Channel Allotment Exchange" filed by ABC on January 15, 2004); to 2.7% ("Supplement to Objection", filed by ABC on September 2, 2005); to 8.91% ("Ex parte Submission" on behalf of ABC of June 12, 2006). Entravision, by counsel, each time filed its own objections, without submitting any independent engineering analysis, but only relying on ABC's submissions. ("Informal Objection" of February 5, 2004; "Supplement to Informal Objection" of September 23, 2005; and "Ex Parte Submission" of July 5, 2006).

At the meeting, it seemed clear to CPBI representatives that Media Bureau technical staff understood the errors in ABC's submissions. CPBI asked its consulting engineer to prepare the attached Engineering Statement in the event there is still any doubt that ABC has been submitting incorrect information in its submissions with regard to Station WUVN. Although denied by ABC, the facts are that its studies in each case double-count the predicted interference to Station WUVN-DT. The attached Engineering Statement demonstrates that ABC has incorrectly determined that there is increased interference, and the Bureau should reject ABC's efforts to obfuscate the actual facts of the situation through its repetitive filing of incorrect information.

Conclusion: CPBI Requires Immediate Relief and its Digital Channel Exchange Applications Should Be Granted.

As argued by CPBI in the meeting arranged by FCC staff, CPBI needs immediate relief. It has to make final arrangements for construction of both its Hartford DTV and relocated analog channels. The so-called "compromise" solution presented by ABC (Ex Parte Submission of June 12, p. 5) is no compromise at all...which explains why CPBI has not been approached in any way by ABC prior to its latest volley. Notwithstanding promises made at the ex parte meeting to explore the engineering basis of ABC's objection with CPBI's consulting engineer, nothing was done; instead, ABC has simply manufactured yet more faulty engineering, claiming yet more interference to Station WUVN, and filed its further unauthorized pleading.

CPBI stresses that its digital channel exchange proposal was filed in compliance with all FCC rules. It deserves to have those applications granted.

Respectfully submitted,

SCHWARTZ, WOODS & MILLER

By: 
Steven C. Schaffer

SCS/mkm

cc: Joyce Bernstein - FCC MB
Gordon Godfrey - FCC MB
Eloise Gore - FCC MB
Barbara Kreisman - FCC MB
Andrew Long - FCC MB
Mary Beth Murphy - FCC MB
Clay Pendarvis - FCC MB
Nam Pham - FCC OET
Nazifa Sawez - FCC MB
Alan Stillwell - FCC OET
Kate Todryl - FCC MB
Barry Friedman, counsel to Entravision, Inc.
Kevin P. Latek, counsel to Meredith Corp.
Mark J. Prak, counsel to Hearst-Argyle Properties, Inc.
Susan L. Fox, VP, Government Relations, The Walt Disney Company
Tom W. Davidson, Akin Gump Strauss Hauer & Feld, LLP

EXCERPT FROM

“ TECHNICAL EXHIBIT AMENDMENT
of
APPLICATION FOR CONSTRUCTION PERMIT
for
TELEVISION STATION WEDH-DT
HARTFORD, CONNECTICUT”
dated
March 9, 2004

submitted with FCC File No. BPEDT-19990113KG
amendment of March 10, 2004.

TECHNICAL EXHIBIT
AMENDMENT OF APPLICATION FOR
CONSTRUCTION PERMIT
TELEVISION STATION WEDH-DT
HARTFORD, CONNECTICUT

March 9, 2004

CHANNEL 45 465 KW (MAX-DA) 505 M

TECHNICAL EXHIBIT
AMENDMENT OF APPLICATION FOR CONSTRUCTION PERMIT
TELEVISION STATION WEDH-DT
HARTFORD, CONNECTICUT
CHANNEL 45 465 KW (MAX-DA) 505 M

Summary of Domestic Allocation Analysis

Stations Potentially Affected by Proposed Station							
Facility Number	Channel	Call	City State	Distance (km)	Status	Application Prefix	Application Reference Number
1	30	WVIT	NEW BRITAIN CT	0.3	LIC	BLCT	19791113LC
2	43	WSAH	BRIDGEPORT CT	44.6	LIC	BLCT	19871009KE
3	44	WGBX-TV	BOSTON MA	148	LIC	BLET	20010103ABV
4	44	WNYW-DT	NEW YORK NY	148	PLN	DTVPLN	DTVP1278
5	44	WNYW	NEW YORK NY	143.4	APP	BMPCDT	19990402KI
6	45	WMEA-DT	BIDDEFORD ME	252.7	PLN	DTVPLN	DTVP1302
7	45	WABC-DT	NEW YORK NY	148	PLN	DTVPLN	DTVP1309
8	45	WROC-DT	ROCHESTER NY	421	PLN	DTVPLN	DTVP1310
9	45	WEWB-TV	SCHENECTADY NY	141.1	CP	BPCT	20020213AAL

Stations Potentially Affected by Proposed Station							
Facility Number	Channel	Call	City State	Distance (km)	Status	Application Prefix	Application Reference Number
10	45	WEWB-TV	SCHENECTADY NY	141.2	LIC	BLCT	19850114KJ
11	45	WOLFTV	HAZLETON PA	259.5	LIC	BPRM	20000413AAD
12	45	WOLF-TV	HAZLETON PA	259.5	CP	BPCDT	19980825KI
13	46	WHCT-DT	HARTFORD CT	8.4	PLN	DTVPLN	DTVP1321
14	46	WWDP	NORWELL MA	151.1	LIC	BLCT	19970116KE
15	48	WYDN	WORCESTER MA	102.1	LIC	BLET	20001226AAM
16	49	WEDW	BRIDGEPORT CT	55.6	LIC	BLET	19870908KE
17	53	WEDN	NORWICH CT	58.9	CP	BPET	20011003ABH
18	53	WEDN	NORWICH CT	58.9	LIC	BLET	19860124KI

Summary of Interference Analysis for Worst-Case Scenarios							
Facility Number	Interference Population Before Analysis	Interference Population After Analysis	Baseline Population	Net Change in Interference	Percent of Baseline	Permissible Percent of Baseline	Result
1	--	--	--	--	0.000	--	pass
2	336538	338005	3020630	1467	0.049	0.05	pass
3	468427	468427	5937857	0	0.000	--	pass

Summary of Interference Analysis for Worst-Case Scenarios							
Facility Number	Interference Population Before Analysis	Interference Population After Analysis	Baseline Population	Net Change in Interference	Percent of Baseline	Permissible Percent of Baseline	Result
4	520602	520602	18013319	0	0.000	--	pass
5	616808	616808	18013319	0	0.000	--	pass
6	29447	30542	647970	1095	0.169	2.0	pass
7	178527	361293	17865809	182766	1.023	2.0	pass
8	--	--	--	--	0.000	--	pass
9	3415	11566	1323548	8151	0.616	2.0	pass
10	2843	14607	1255921	11764	0.937	2.0	pass
11	400404	400404	2769938	0	0.000	2.0	pass
12	--	--	--	--	0.000	--	pass
13	268612	267525	3262860	-1087	-0.644	2.0	pass
14	--	--	--	--	0.000	--	pass
15	--	--	--	--	0.000	--	pass
16	268232	268821	3831205	589	0.015	--	pass
17	96645	96645	1465797	0	0.000	2.0	pass
18	164248	164248	1577540	0	0.000	2.0	pass

Note: A grid cell resolution of 0.75 km, with a terrain sample of 0.5 km, was employed in the OET-69 analysis.

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

This Engineering Statement was prepared on behalf Connecticut Public Broadcasting, Inc. ("CPBI"), in support of an *Ex Parte* Submission in response to the same filed by American Broadcasting Companies, Inc. ("ABC") and Entravision Holdings, LLC to the CPBI application for WEDH-DT, Channel *45, at Hartford, Connecticut (FCC File No. BPEDT-19990113KG) and related Petition for Rule Making for Channel *9 at Norwich, Connecticut. It is demonstrated herein that the WEDH-DT proposal fully meets the FCC 2% and 10% *de minimis* criteria with respect to all relevant allotments and assignments. Furthermore, ABC's claims that the WEDH-DT application will result in new interference to WUVN-DT in excess of the FCC 2%/10% criteria is wrong because it based on incorrect calculations which have again "double-counted" predicted interference WUVN-DT.

Interference Analysis for WEDH-DT Proposal

An interference analysis was prepared for the WEDH-DT proposal, as amended, based on the FCC Office of Engineering and Technology Bulletin No. 69 ("OET-69"). As described in the WEDH-DT application, the analysis was based on a cell size of 0.75 km and a terrain increment of 0.5 km. The WEDH-DT proposal passes every station interference analysis and fully meets the FCC *de minimis* criteria with respect to all stations including WABC-DT and WUVN-DT.* An excerpt of the output with respect to the WUVN-DT facility, as generated by the FCC OET-69 analysis software, based on the current FCC engineering database is attached hereto as Figure 1. As indicated on the last page of Figure 1, the worst-case new interference from the proposed WEDH-DT facility to WUVN-DT is -0.0333%. Therefore, the proposal passes the 2%/10% criteria with respect to WUVN-DT.

* WUVN-DT is referenced by its original call sign when the FCC table of allotments was developed: WHCT-DT.

Flaw in ABC OET-69 Calculations

To further illustrate the point, an excerpt of the OET-69 analysis prepared in the incorrect manner is attached hereto at Figure 2. This incorrect analysis includes a NORWICH CT (BLEDT-20030425AAL) record in both the before and after studies. This record must be omitted from the interference analysis to produce a correct result. This is done at the beginning of the program input when it asks for records that should be ignored in the analysis.

But when this record is improperly included in the interference analysis, the program incorrectly determines that the WEDH-DT proposal fails the 2%/10% criteria with a worst-case new interference of 2.6021%. This incorrect result is illustrated at the bottom of Figure 2.

In sum, it appears that ABC is relying on an incorrect interference analysis to conclude that the WEDH-DT proposal fails the 2%/10% criteria; when, in fact, the WEDH-DT proposal fully passes the FCC 2%/10% *de minimis* criteria with respect to all relevant stations.

This statement was prepared by me or under my direction and it is true and correct to the best of my knowledge and belief.



Louis Robert du Treil, Jr., P.E.

du Treil, Lundin & Rackley, Inc.
201 Fletcher Ave.
Sarasota, Florida 34237

July 14, 2006

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Correct FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

1990 Census data selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-11-2006 Time: 11:33:27

Record Selected for Analysis

WEDHDT USERRECORD-01 NORWICH CT US
Channel 45 ERP 465. kW HAAT 505. m RCAMSL 00604 m
Latitude 041-42-13 Longitude 0072-49-57
Status APP Zone 1 Border
Dir Antenna Make CDB Model 00000000065933 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 0.8 km/side

Distance Increments for Longley-Rice Analysis 0.50 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	407.385	539.8	108.8
45.0	376.232	545.6	108.5
90.0	431.227	566.3	111.0
135.0	374.143	563.0	109.5
180.0	42.410	462.6	84.8
225.0	26.450	464.1	81.7
270.0	88.801	448.1	89.1
315.0	431.674	452.6	102.4

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Correct FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
Distance to border = 368.5km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
45	WEDHDT	NORWICH CT	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WVIT	NEW BRITAIN CT	0.3	LIC	BLCT	-19791113LC
43	WSAH	BRIDGEPORT CT	44.6	LIC	BLCT	-19871009KE
43	WSAH	BRIDGEPORT CT	44.6	APP	BPCT	-20060222AAG
44	WGBX-TV	BOSTON MA	148.0	LIC	BLET	-20010103ABV
44	WNYW-DT	NEW YORK NY	148.0	PLN	DTVPLN	-DTVP1278
44	WNYW	NEW YORK NY	143.4	CP MOD	BMPCDT	-19990402KI
45	WMEA-DT	BIDDEFORD ME	252.7	PLN	DTVPLN	-DTVP1302
45	WABC-DT	NEW YORK NY	148.0	PLN	DTVPLN	-DTVP1309
45	WROC-DT	ROCHESTER NY	421.0	PLN	DTVPLN	-DTVP1310
45	WCWN	SCHENECTADY NY	141.1	LIC	BLCT	-20040330AAX
45	WOLF-TV	HAZLETON PA	259.5	LIC	BLCDT	-20050906ACK
45	WOLFTV	HAZLETON PA	259.5	LIC	BPRM	-20000413AAD
46	WHCT-DT	HARTFORD CT	8.4	PLN	DTVPLN	-DTVP1321
46	WWDP	NORWELL MA	151.1	LIC	BLCT	-19970116KE
48	WYDN	WORCESTER MA	102.1	LIC	BLET	-20001226AAM
49	WEDW	BRIDGEPORT CT	55.6	LIC	BLET	-19870908KE
53	WEDN	NORWICH CT	58.9	LIC	BLET	-20060106ABO

%%%

Analysis of Interference to Affected Station 13

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
46	WHCT-DT	HARTFORD CT	DTVPLN	-DTVP1321

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Correct FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

45	WEDN-DT	NORWICH CT	59.8	PLN	DTVPLN	-DTVP1291
45	WABC-DT	NEW YORK NY	155.7	PLN	DTVPLN	-DTVP1309
45	WMHQ	SCHENECTADY NY	137.4	PLN	DTVPLN	-NPLN1687
46	WHRC	NORWELL MA	146.8	PLN	DTVPLN	-NPLN1703
46	WBFF-DT	BALTIMORE MD	423.1	PLN	DTVPLN	-DTVP1329
46	WMTW-DT	POLAND SPRING ME	302.9	PLN	DTVPLN	-DTVP1330
46	WSKGT	BINGHAMTON NY	261.8	PLN	DTVPLN	-NPLN1705
46	WFMZ-DT	ALLENTOWN PA	258.6	PLN	DTVPLN	-DTVP1339
47	WYDN-DT	WORCESTER MA	62.8	PLN	DTVPLN	-DTVP1362
47	WNJU	LINDEN NJ	155.7	PLN	DTVPLN	-NPLN1721

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN

HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	63789	372.8
lost to additional IX by ATV	272113	1625.6
lost to ATV IX only	312041	1905.4
lost to all IX	335902	1998.4

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	WHCTTV	HARTFORD CT	DTVPLN	-NPLN1012

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WNYT-DT	ALBANY NY	131.3	PLN	DTVPLN	-DTVP0183
17	WMHT	SCHENECTADY NY	137.7	PLN	DTVPLN	-NPLN0998
17	WOST-DT	BLOCK ISLAND RI	90.0	PLN	DTVPLN	-DTVP0279
18	WMFP-DT	LAWRENCE MA	157.5	PLN	DTVPLN	-DTVP0307
18	WNJB-DT	NEW BRUNSWICK NJ	191.6	PLN	DTVPLN	-DTVP0317
18	WETMTV	ELMIRA NY	338.5	PLN	DTVPLN	-NPLN1026
18	WNPITV	NORWOOD NY	345.0	PLN	DTVPLN	-NPLN1027
18	WVTB-DT	ST. JOHNSBURY VT	319.4	PLN	DTVPLN	-DTVP0332
19	WCDCTV	ADAMS MA	100.5	PLN	DTVPLN	-NPLN1045
19	WGBH-DT	BOSTON MA	142.1	PLN	DTVPLN	-DTVP0356
20	WTXX	WATERBURY CT	33.8	PLN	DTVPLN	-NPLN1070
21	WLIW	GARDEN CITY NY	122.4	PLN	DTVPLN	-NPLN1120
21	WRNN-DT	KINGSTON NY	112.8	PLN	DTVPLN	-DTVP0450
21	WSBE-DT	PROVIDENCE RI	110.1	PLN	DTVPLN	-DTVP0455
22	WWLP	SPRINGFIELD MA	35.4	PLN	DTVPLN	-NPLN1144
22	WLIW-DT	GARDEN CITY NY	122.4	PLN	DTVPLN	-DTVP0499
25	WFXT	BOSTON MA	143.2	PLN	DTVPLN	-NPLN1247
25	WNYETV	NEW YORK NY	151.1	PLN	DTVPLN	-NPLN1254
26	WTWS	NEW LONDON CT	63.9	PLN	DTVPLN	-NPLN1268
26	WTEN-DT	ALBANY NY	137.5	PLN	DTVPLN	-DTVP0647
32	WEDH-DT	HARTFORD CT	0.4	PLN	DTVPLN	-DTVP0857
33	WFSB-DT	HARTFORD CT	0.4	PLN	DTVPLN	-DTVP0894

Results for: 18N CT HARTFORD DTVPLN NPLN1012 PLN

POPULATION AREA (sq km)

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Correct FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

within Noise Limited Contour	3788517	21296.6
not affected by terrain losses	3481464	19029.6
lost to NTSC IX	344919	1357.0
lost to additional IX by ATV	224128	993.8
lost to all IX	569047	2350.8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	WHCT-DT	HARTFORD CT	DTVPLN	-DTVP1321

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
45	WEDN-DT	NORWICH CT	59.8	PLN	DTVPLN	-DTVP1291
45	WABC-DT	NEW YORK NY	155.7	PLN	DTVPLN	-DTVP1309
45	WCWN	SCHENECTADY NY	137.3	LIC	BLCT	-20040330AAX
46	WWDP	NORWELL MA	146.8	LIC	BLCT	-19970116KE
46	WBFF	BALTIMORE MD	423.1	CP	BPCDT	-19980803KR
46	WBFF-DT	BALTIMORE MD	423.1	PLN	DTVPLN	-DTVP1329
46	WMTW-TV	POLAND SPRING ME	283.9	LIC	BLCDT	-20050607ADJ
46	WMTW-DT	POLAND SPRING ME	302.9	PLN	DTVPLN	-DTVP1330
46	WSKG-TV	BINGHAMTON NY	262.0	LIC	BLET	-20040109ACN
46	WFMZ-DT	ALLENTOWN PA	258.6	PLN	DTVPLN	-DTVP1339
46	WFMZ-TV	ALLENTOWN PA	258.5	CP MOD	BMPCDT	-20041029AHC
47	WYDN	WORCESTER MA	143.0	LIC	BLEDT	-20050505ABL
47	WYDN-DT	WORCESTER MA	62.8	PLN	DTVPLN	-DTVP1362
47	WNJU	LINDEN NJ	155.7	CP	BPCT	-19991028AAN
45	WEDHDT	NORWICH CT	8.4	APP	USERRECORD-01	

Total scenarios = 8

Result key: 1

Scenario 1 Affected station 13

Before Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN

HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	206796	902.6
lost to ATV IX only	238909	1107.0
lost to all IX	268612	1270.3

Potential Interfering Stations Included in above Scenario 1

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Correct FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
 HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	205709	1254.0
lost to ATV IX only	236265	1446.0
lost to all IX	267525	1621.7

Potential Interfering Stations Included in above Scenario 1

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	USERRECORD01		APP

Percent new IX = -0.0333%

Result key: 2
 Scenario 2 Affected station 13
 Before Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
 HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	270745	1609.8
lost to ATV IX only	310426	1887.4
lost to all IX	332561	1977.5

Potential Interfering Stations Included in above Scenario 2

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	DTVPLN	DTVP1291	PLN

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
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HARTFORD, CONNECTICUT

Correct FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

After Analysis

Results for: 46A CT HARTFORD	DTVPLN	DTVP1321	PLN
HAAT 299.0 m, ATV ERP 220.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3789037	21300.0	
not affected by terrain losses	3598762	19549.4	
lost to NTSC IX	61816	367.7	
lost to additional IX by ATV	268854	1928.5	
lost to ATV IX only	306910	2192.6	
lost to all IX	330670	2296.2	

Potential Interfering Stations Included in above Scenario 2

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	USERRECORD01		APP

Percent new IX = -0.0580%

Result key: 3
Scenario 3 Affected station 13
Before Analysis

Results for: 46A CT HARTFORD	DTVPLN	DTVP1321	PLN
HAAT 299.0 m, ATV ERP 220.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3789037	21300.0	
not affected by terrain losses	3598762	19549.4	
lost to NTSC IX	61816	367.7	
lost to additional IX by ATV	206796	902.6	
lost to ATV IX only	240258	1110.4	
lost to all IX	268612	1270.3	

Potential Interfering Stations Included in above Scenario 3

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Correct FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	205709	1254.0
lost to ATV IX only	237614	1449.4
lost to all IX	267525	1621.7

Potential Interfering Stations Included in above Scenario 3

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	USERRECORD01		APP

Percent new IX = -0.0333%

Result key: 4
Scenario 4 Affected station 13
Before Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	270745	1609.8
lost to ATV IX only	311775	1890.8
lost to all IX	332561	1977.5

Potential Interfering Stations Included in above Scenario 4

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
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ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
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CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Correct FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	268854	1928.5
lost to ATV IX only	308259	2196.0
lost to all IX	330670	2296.2

Potential Interfering Stations Included in above Scenario 4

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	USERRECORD01		APP

Percent new IX = -0.0580%

Result key: 5
Scenario 5 Affected station 13
Before Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	210451	950.5
lost to ATV IX only	245972	1157.7
lost to all IX	272267	1318.2

Potential Interfering Stations Included in above Scenario 5

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
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CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Correct FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

lost to additional IX by ATV	207555	1292.3
lost to ATV IX only	239193	1469.6
lost to all IX	269371	1659.9

Potential Interfering Stations Included in above Scenario 5

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	USERRECORD01		APP

Percent new IX = -0.0888%

Result key: 6
Scenario 6 Affected station 13
Before Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	272246	1626.7
lost to ATV IX only	312041	1905.4
lost to all IX	334062	1994.4

Potential Interfering Stations Included in above Scenario 6

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	268571	1936.4
lost to ATV IX only	304727	2187.5
lost to all IX	330387	2304.1

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Correct FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

Potential Interfering Stations Included in above Scenario 6

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	USERRECORD01		APP

Percent new IX = -0.1126%

Result key: 7
Scenario 7 Affected station 13
Before Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	210451	950.5
lost to ATV IX only	247321	1161.1
lost to all IX	272267	1318.2

Potential Interfering Stations Included in above Scenario 7

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	207555	1292.3
lost to ATV IX only	240542	1473.0
lost to all IX	269371	1659.9

Potential Interfering Stations Included in above Scenario 7

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Correct FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	USERRECORD01		APP

Percent new IX = -0.0888%

Result key: 8
Scenario 8 Affected station 13
Before Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	272246	1626.7
lost to ATV IX only	313390	1908.8
lost to all IX	334062	1994.4

Potential Interfering Stations Included in above Scenario 8

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	268571	1936.4
lost to ATV IX only	306076	2190.9
lost to all IX	330387	2304.1

Potential Interfering Stations Included in above Scenario 8

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Correct FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	USERRECORD01		APP

Percent new IX = -0.1126%

Worst case new IX -0.0333% Scenario 1

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

1990 Census data selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-11-2006 Time: 12:02:26

Record Selected for Analysis

WEDHDT USERRECORD-01 NORWICH CT US
Channel 45 ERP 465. kW HAAT 505. m RCAMSL 00604 m
Latitude 041-42-13 Longitude 0072-49-57
Status APP Zone 1 Border
Dir Antenna Make CDB Model 00000000065933 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 0.8 km/side

Distance Increments for Longley-Rice Analysis 0.50 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	407.385	539.8	108.8
45.0	376.232	545.6	108.5
90.0	431.227	566.3	111.0
135.0	374.143	563.0	109.5
180.0	42.410	462.6	84.8
225.0	26.450	464.1	81.7
270.0	88.801	448.1	89.1
315.0	431.674	452.6	102.4

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
Distance to border = 368.5km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
45	WEDHDT	NORWICH CT	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WVIT	NEW BRITAIN CT	0.3	LIC	BLCT	-19791113LC
43	WSAH	BRIDGEPORT CT	44.6	LIC	BLCT	-19871009KE
43	WSAH	BRIDGEPORT CT	44.6	APP	BPCT	-20060222AAG
44	WGBX-TV	BOSTON MA	148.0	LIC	BLET	-20010103ABV
44	WNYW-DT	NEW YORK NY	148.0	PLN	DTVPLN	-DTVP1278
44	WNYW	NEW YORK NY	143.4	CP MOD	BMPCDT	-19990402KI
45	WMEA-DT	BIDDEFORD ME	252.7	PLN	DTVPLN	-DTVP1302
45	WABC-DT	NEW YORK NY	148.0	PLN	DTVPLN	-DTVP1309
45	WROC-DT	ROCHESTER NY	421.0	PLN	DTVPLN	-DTVP1310
45	WCWN	SCHENECTADY NY	141.1	LIC	BLCT	-20040330AAX
45	WOLF-TV	HAZLETON PA	259.5	LIC	BLCDDT	-20050906ACK
45	WOLFTV	HAZLETON PA	259.5	LIC	BPRM	-20000413AAD
46	WHCT-DT	HARTFORD CT	8.4	PLN	DTVPLN	-DTVP1321
46	WWDP	NORWELL MA	151.1	LIC	BLCT	-19970116KE
48	WYDN	WORCESTER MA	102.1	LIC	BLET	-20001226AAM
49	WEDW	BRIDGEPORT CT	55.6	LIC	BLET	-19870908KE
53	WEDN	NORWICH CT	58.9	LIC	BLET	-20060106ABO

%%%

Analysis of Interference to Affected Station 13

DTV Baseline Analysis

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

Channel	Call	City/State	Application Ref. No.
46	WHCT-DT	HARTFORD CT	DTVPLN -DTVP1321

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
45	WEDN-DT	NORWICH CT	59.8	PLN	DTVPLN -DTVP1291
45	WABC-DT	NEW YORK NY	155.7	PLN	DTVPLN -DTVP1309
45	WMHQ	SCHENECTADY NY	137.4	PLN	DTVPLN -NPLN1687
46	WHRC	NORWELL MA	146.8	PLN	DTVPLN -NPLN1703
46	WBFF-DT	BALTIMORE MD	423.1	PLN	DTVPLN -DTVP1329
46	WMTW-DT	POLAND SPRING ME	302.9	PLN	DTVPLN -DTVP1330
46	WSKGT	BINGHAMTON NY	261.8	PLN	DTVPLN -NPLN1705
46	WFMZ-DT	ALLENTOWN PA	258.6	PLN	DTVPLN -DTVP1339
47	WYDN-DT	WORCESTER MA	62.8	PLN	DTVPLN -DTVP1362
47	WNJU	LINDEN NJ	155.7	PLN	DTVPLN -NPLN1721

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN

HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	63789	372.8
lost to additional IX by ATV	272113	1625.6
lost to ATV IX only	312041	1905.4
lost to all IX	335902	1998.4

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
18	WHCTTV	HARTFORD CT	DTVPLN -NPLN1012

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	WNYT-DT	ALBANY NY	131.3	PLN	DTVPLN -DTVP0183
17	WMHT	SCHENECTADY NY	137.7	PLN	DTVPLN -NPLN0998
17	WOST-DT	BLOCK ISLAND RI	90.0	PLN	DTVPLN -DTVP0279
18	WMFP-DT	LAWRENCE MA	157.5	PLN	DTVPLN -DTVP0307
18	WNJB-DT	NEW BRUNSWICK NJ	191.6	PLN	DTVPLN -DTVP0317
18	WETMTV	ELMIRA NY	338.5	PLN	DTVPLN -NPLN1026
18	WNPITV	NORWOOD NY	345.0	PLN	DTVPLN -NPLN1027
18	WVTB-DT	ST. JOHNSBURY VT	319.4	PLN	DTVPLN -DTVP0332
19	WCDCTV	ADAMS MA	100.5	PLN	DTVPLN -NPLN1045
19	WGBH-DT	BOSTON MA	142.1	PLN	DTVPLN -DTVP0356
20	WTXX	WATERBURY CT	33.8	PLN	DTVPLN -NPLN1070
21	WLIW	GARDEN CITY NY	122.4	PLN	DTVPLN -NPLN1120
21	WRNN-DT	KINGSTON NY	112.8	PLN	DTVPLN -DTVP0450
21	WSBE-DT	PROVIDENCE RI	110.1	PLN	DTVPLN -DTVP0455
22	WWLP	SPRINGFIELD MA	35.4	PLN	DTVPLN -NPLN1144
22	WLIW-DT	GARDEN CITY NY	122.4	PLN	DTVPLN -DTVP0499

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

25	WFXT	BOSTON MA	143.2	PLN	DTVPLN	-NPLN1247
25	WNYETV	NEW YORK NY	151.1	PLN	DTVPLN	-NPLN1254
26	WTWS	NEW LONDON CT	63.9	PLN	DTVPLN	-NPLN1268
26	WTEN-DT	ALBANY NY	137.5	PLN	DTVPLN	-DTVP0647
32	WEDH-DT	HARTFORD CT	0.4	PLN	DTVPLN	-DTVP0857
33	WFSB-DT	HARTFORD CT	0.4	PLN	DTVPLN	-DTVP0894

Results for: 18N CT HARTFORD		DTVPLN	NPLN1012	PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour	3788517	21296.6		
not affected by terrain losses	3481464	19029.6		
lost to NTSC IX	344919	1357.0		
lost to additional IX by ATV	224128	993.8		
lost to all IX	569047	2350.8		

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	WHCT-DT	HARTFORD CT	DTVPLN	-DTVP1321

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
45	WEDN	NORWICH CT	59.7	LIC	BLEDT	-20030425AAL
45	WEDN-DT	NORWICH CT	59.8	PLN	DTVPLN	-DTVP1291
45	WABC-DT	NEW YORK NY	155.7	PLN	DTVPLN	-DTVP1309
45	WCWN	SCHENECTADY NY	137.3	LIC	BLCT	-20040330AAX
46	WWDW	NORWELL MA	146.8	LIC	BLCT	-19970116KE
46	WBFF	BALTIMORE MD	423.1	CP	BPCDT	-19980803KR
46	WBFF-DT	BALTIMORE MD	423.1	PLN	DTVPLN	-DTVP1329
46	WMTW-TV	POLAND SPRING ME	283.9	LIC	BLCDT	-20050607ADJ
46	WMTW-DT	POLAND SPRING ME	302.9	PLN	DTVPLN	-DTVP1330
46	WSKG-TV	BINGHAMTON NY	262.0	LIC	BLET	-20040109ACN
46	WFMZ-DT	ALLENTOWN PA	258.6	PLN	DTVPLN	-DTVP1339
46	WFMZ-TV	ALLENTOWN PA	258.5	CP MOD	BMPCDT	-20041029AHC
47	WYDN	WORCESTER MA	143.0	LIC	BLEDT	-20050505ABL
47	WYDN-DT	WORCESTER MA	62.8	PLN	DTVPLN	-DTVP1362
47	WNJU	LINDEN NJ	155.7	CP	BPCT	-19991028AAN
45	WEDHDT	NORWICH CT	8.4	APP	USERRECORD-01	

Total scenarios = 8

Result key: 1
Scenario 1 Affected station 13
Before Analysis

Results for: 46A CT HARTFORD		DTVPLN	DTVP1321	PLN
HAAT 299.0 m, ATV ERP 220.0 kW				
		POPULATION	AREA (sq km)	
within Noise Limited Contour	3789037	21300.0		

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
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CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	225028	1157.7
lost to ATV IX only	257556	1365.5
lost to all IX	286844	1525.4

Potential Interfering Stations Included in above Scenario 1

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	309931	1979.8
lost to ATV IX only	342585	2194.9
lost to all IX	371747	2347.5

Potential Interfering Stations Included in above Scenario 1

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	USERRECORD01		APP

The following station failed the de minimis interference criteria.

45D CT NORWICH USERRECORD01
ERP 465.00 kW HAAT 505.0 m RCAMSL 604.0 m
Antenna CDB 00000000065933

Due to interference to the following station and scenario: 1

46D CT HARTFORD DTVPLN DTVP1321
ERP 220.00 kW HAAT 299.0 m RCAMSL 384.0 m

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

Antenna rep CTHARTFORD__46

Percent Service lost without proposal: -1.5 to DTVPLN DTVP1321
Percent Service lost with proposal: 1.1 to DTVPLN DTVP1321

Result key: 2
Scenario 2 Affected station 13
Before Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	288667	1858.1
lost to ATV IX only	328604	2138.0
lost to all IX	350483	2225.8

Potential Interfering Stations Included in above Scenario 2

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	372495	2644.8
lost to ATV IX only	412488	2929.7
lost to all IX	434311	3012.4

Potential Interfering Stations Included in above Scenario 2

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
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CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	USERRECORD01		APP

The following station failed the de minimis interference criteria.

45D CT NORWICH USERRECORD01
ERP 465.00 kW HAAT 505.0 m RCAMSL 604.0 m
Antenna CDB 00000000065933

Due to interference to the following station and scenario: 2

46D CT HARTFORD DTVPLN DTVP1321
ERP 220.00 kW HAAT 299.0 m RCAMSL 384.0 m
Antenna rep CTHARTFORD__46

Percent Service lost without proposal:	0.4	to DTVPLN	DTVP1321
Percent Service lost with proposal:	3.0	to DTVPLN	DTVP1321

Result key: 3
Scenario 3 Affected station 13
Before Analysis

Results for: 46A CT HARTFORD	DTVPLN	DTVP1321	PLN
HAAT 299.0 m, ATV ERP 220.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3789037	21300.0	
not affected by terrain losses	3598762	19549.4	
lost to NTSC IX	61816	367.7	
lost to additional IX by ATV	225028	1157.7	
lost to ATV IX only	258905	1368.8	
lost to all IX	286844	1525.4	

Potential Interfering Stations Included in above Scenario 3

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

Results for: 46A CT HARTFORD	DTVPLN	DTVP1321	PLN
HAAT 299.0 m, ATV ERP 220.0 kW			

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	309931	1979.8
lost to ATV IX only	343934	2198.2
lost to all IX	371747	2347.5

Potential Interfering Stations Included in above Scenario 3

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	USERRECORD01		APP

The following station failed the de minimis interference criteria.

45D CT NORWICH USERRECORD01
ERP 465.00 kW HAAT 505.0 m RCAMSL 604.0 m
Antenna CDB 00000000065933

Due to interference to the following station and scenario: 3

46D CT HARTFORD DTVPLN DTVP1321
ERP 220.00 kW HAAT 299.0 m RCAMSL 384.0 m
Antenna rep CTHARTFORD__46

Percent Service lost without proposal:	-1.5	to DTVPLN	DTVP1321
Percent Service lost with proposal:	1.1	to DTVPLN	DTVP1321

Result key: 4
Scenario 4 Affected station 13
Before Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	288667	1858.1
lost to ATV IX only	329953	2141.4
lost to all IX	350483	2225.8

Potential Interfering Stations Included in above Scenario 4

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
 HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	372495	2644.8
lost to ATV IX only	413837	2933.1
lost to all IX	434311	3012.4

Potential Interfering Stations Included in above Scenario 4

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	BLCDT	20050607ADJ	LIC
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	USERRECORD01		APP

The following station failed the de minimis interference criteria.

45D CT NORWICH USERRECORD01
 ERP 465.00 kW HAAT 505.0 m RCAMSL 604.0 m
 Antenna CDB 00000000065933

Due to interference to the following station and scenario: 4

46D CT HARTFORD DTVPLN DTVP1321
 ERP 220.00 kW HAAT 299.0 m RCAMSL 384.0 m
 Antenna rep CTHARTFORD__46

Percent Service lost without proposal:	0.4	to DTVPLN	DTVP1321
Percent Service lost with proposal:	3.0	to DTVPLN	DTVP1321

Result key: 5
 Scenario 5 Affected station 13

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

Before Analysis

Results for: 46A CT HARTFORD	DTVPLN	DTVP1321	PLN
HAAT 299.0 m, ATV ERP 220.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3789037	21300.0	
not affected by terrain losses	3598762	19549.4	
lost to NTSC IX	61816	367.7	
lost to additional IX by ATV	228756	1209.5	
lost to ATV IX only	264713	1422.3	
lost to all IX	290572	1577.2	

Potential Interfering Stations Included in above Scenario 5

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

Results for: 46A CT HARTFORD	DTVPLN	DTVP1321	PLN
HAAT 299.0 m, ATV ERP 220.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3789037	21300.0	
not affected by terrain losses	3598762	19549.4	
lost to NTSC IX	61816	367.7	
lost to additional IX by ATV	313591	2031.0	
lost to ATV IX only	349674	2250.6	
lost to all IX	375407	2398.7	

Potential Interfering Stations Included in above Scenario 5

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	USERRECORD01		APP

The following station failed the de minimis interference criteria.

45D CT NORWICH	USERRECORD01
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ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
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CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

ERP 465.00 kW HAAT 505.0 m RCAMSL 604.0 m
Antenna CDB 00000000065933

Due to interference to the following station and scenario: 5
46D CT HARTFORD DTVPLN DTVP1321
ERP 220.00 kW HAAT 299.0 m RCAMSL 384.0 m
Antenna rep CTHARTFORD__46

Percent Service lost without proposal: -1.4 to DTVPLN DTVP1321
Percent Service lost with proposal: 1.2 to DTVPLN DTVP1321

Result key: 6
Scenario 6 Affected station 13
Before Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	290202	1876.2
lost to ATV IX only	330253	2158.3
lost to all IX	352018	2243.9

Potential Interfering Stations Included in above Scenario 6

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	373962	2662.2
lost to ATV IX only	414069	2949.4
lost to all IX	435778	3029.9

ENGINEERING STATEMENT
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CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

Potential Interfering Stations Included in above Scenario 6

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	DTVPLN	DTVP1339	PLN
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	USERRECORD01		APP

The following station failed the de minimis interference criteria.

45D CT NORWICH USERRECORD01
ERP 465.00 kW HAAT 505.0 m RCAMSL 604.0 m
Antenna CDB 00000000065933

Due to interference to the following station and scenario: 6

46D CT HARTFORD DTVPLN DTVP1321
ERP 220.00 kW HAAT 299.0 m RCAMSL 384.0 m
Antenna rep CTHARTFORD__46

Percent Service lost without proposal:	0.5	to DTVPLN	DTVP1321
Percent Service lost with proposal:	3.1	to DTVPLN	DTVP1321

Result key: 7
Scenario 7 Affected station 13
Before Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	228756	1209.5
lost to ATV IX only	266062	1425.7
lost to all IX	290572	1577.2

Potential Interfering Stations Included in above Scenario 7

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	BLEDT	20050505ABL	LIC

ENGINEERING STATEMENT
IN SUPPORT OF *EX PARTE* SUBMISSION
PREPARED FOR
CONNECTICUT PUBLIC BROADCASTING, INC.
HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

45A CT NORWICH DTVPLN DTVP1291 PLN

After Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN

HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	313591	2031.0
lost to ATV IX only	351023	2254.0
lost to all IX	375407	2398.7

Potential Interfering Stations Included in above Scenario 7

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	BLEDT	20050505ABL	LIC
45A CT NORWICH	USERRECORD01		APP

The following station failed the de minimis interference criteria.

45D CT NORWICH USERRECORD01
ERP 465.00 kW HAAT 505.0 m RCAMSL 604.0 m
Antenna CDB 00000000065933

Due to interference to the following station and scenario: 7

46D CT HARTFORD DTVPLN DTVP1321
ERP 220.00 kW HAAT 299.0 m RCAMSL 384.0 m
Antenna rep CTHARTFORD__46

Percent Service lost without proposal:	-1.4	to DTVPLN	DTVP1321
Percent Service lost with proposal:	1.2	to DTVPLN	DTVP1321

Result key: 8
Scenario 8 Affected station 13
Before Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN

HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7

ENGINEERING STATEMENT
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Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

lost to additional IX by ATV	290202	1876.2
lost to ATV IX only	331602	2161.6
lost to all IX	352018	2243.9

Potential Interfering Stations Included in above Scenario 8

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	DTVPLN	DTVP1291	PLN

After Analysis

Results for: 46A CT HARTFORD DTVPLN DTVP1321 PLN
HAAT 299.0 m, ATV ERP 220.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3789037	21300.0
not affected by terrain losses	3598762	19549.4
lost to NTSC IX	61816	367.7
lost to additional IX by ATV	373962	2662.2
lost to ATV IX only	415418	2952.8
lost to all IX	435778	3029.9

Potential Interfering Stations Included in above Scenario 8

46N MA NORWELL	BLCT	19970116KE	LIC
46N NY BINGHAMTON	BLET	20040109ACN	LIC
47N NJ LINDEN	BPCT	19991028AAN	CP
45A CT NORWICH	BLEDT	20030425AAL	LIC
45A NY NEW YORK	DTVPLN	DTVP1309	PLN
46A ME POLAND SPRING	DTVPLN	DTVP1330	PLN
46A PA ALLENTOWN	BMPCDT	20041029AHC	CP
47A MA WORCESTER	DTVPLN	DTVP1362	PLN
45A CT NORWICH	USERRECORD01		APP

The following station failed the de minimis interference criteria.

45D CT NORWICH USERRECORD01
ERP 465.00 kW HAAT 505.0 m RCAMSL 604.0 m
Antenna CDB 00000000065933

Due to interference to the following station and scenario: 8

46D CT HARTFORD DTVPLN DTVP1321
ERP 220.00 kW HAAT 299.0 m RCAMSL 384.0 m
Antenna rep CTHARTFORD__46

ENGINEERING STATEMENT
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HARTFORD, CONNECTICUT

Incorrect FCC OET-69 Analysis Output for WEDH-DT with Respect to WUVN-DT

Percent Service lost without proposal:	0.5	to DTVPLN	DTVP1321
Percent Service lost with proposal:	3.1	to DTVPLN	DTVP1321

Worst case new IX 2.6021% Scenario 1

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